

SEQUENCE LISTING

<110> ROCH, Philippe
 MITTA, Guillaume
 HUBERT, Florence
 NOEL, Thierry
 CNRS
 IFREMER

<120> ANTIMICROBIAL PEPTIDES DERIVED FROM MOLLUSKS

<130> 045636-5052-US

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<150> FR 9908858

<151> 1999-07-08

<150> PCT/FR00/01975

<151> 2000-07-07

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 Ile Leu Leu Ala Val Leu Val Ala Val Phe Val Ala Gly Thr Glu Ala
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 His Ser His Ala Cys Thr Ser Tyr Trp Cys Gly Lys Phe Cys Gly Thr
 1 5 10 15

gct agt tgc aca cat tat cta tgc aga gta ctc cat ccc ggt aaa atg 198
 Ala Ser Cys Thr His Tyr Leu Cys Arg Val Leu His Pro Gly Lys Met
 20 25 30

tgc gca tgt gtt cat tgc agc agg gtg aac aat cct ttc aga gtt aat 246
 Cys Ala Cys Val His Cys Ser Arg Val Asn Asn Pro Phe Arg Val Asn
 35 40 45

caa gtt gct aaa agt att aac gat ttg gat tac act cca ata atg aag 294
 Gln Val Ala Lys Ser Ile Asn Asp Leu Asp Tyr Thr Pro Ile Met Lys
 50 55 60

tcg atg gaa aac ttg gac aat gga atg gat atg tta taagcaaaca 340
 Ser Met Glu Asn Leu Asp Asn Gly Met Asp Met Leu
 65 70 75

acttatgcaa tgcagatcac aactgtgaat ctttgctatc attctcactg cttttcacct 400
 ttcaacaaac gaaaaattat cagcaacttg aaaaataaca aacttgagtc atgtctgttc 460
 agtttccagt ctaatattta tatcattata tgaaagggtat aacaaaatta gtaccattgt 520
 gttctaataag aaacaattta taaacaagaa acattacact ttaagtataa attaacagga 580
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 Phe Cys Gly Thr Ala Ser Cys Thr His Tyr Leu Cys Arg Val Leu His
 35 40 45
 Pro Gly Lys Met Cys Ala Cys Val His Cys Ser Arg Val Asn Asn Pro
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 Phe Val Ala Gly Thr Glu Ala His Pro His Val Cys Thr Ser Tyr Tyr
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 Cys Ser Lys Phe Cys Gly Thr Ala Gly Cys Thr Arg Tyr Gly Cys Arg
 10 15 20 25

aat ctc cat cgc ggg aag ctt tgc ttc tgt ctt cat tgc agc agg gtg 195
 Asn Leu His Arg Gly Lys Leu Cys Phe Cys Leu His Cys Ser Arg Val
 30 35 40

aag ttc ccg ttt gga gca act caa gat gct aaa agt atg aac gaa ctg 243
 Lys Phe Pro Phe Gly Ala Thr Gln Asp Ala Lys Ser Met Asn Glu Leu
 45 50 55

gaa tac act cca ata atg aag tcg atg gaa aat ttg gac aac gga atg 291
 Glu Tyr Thr Pro Ile Met Lys Ser Met Glu Asn Leu Asp Asn Gly Met
 60 65 70

gat atg tta taagcaaact tatgacatga agatcacaac tgtatacttt 340
 Asp Met Leu
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aaattcatca tcaacttgaa aactaacaaa agatgtgtcg cacacgttac actcaccagt 460

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atctctgaca gaagaagtaa ctgttaacaa gaaatactgt tttccctcaa gttattaaaa 580

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Phe Cys Gly Thr Ala Gly Cys Thr Arg Tyr Gly Cys Arg Asn Leu His
 35 40 45

Arg Gly Lys Leu Cys Phe Cys Leu His Cys Ser Arg Val Lys Phe Pro
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 <213> Mytilus galloprovincialis

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 20 25 30
 Cys Phe Cys Leu His Cys Ser Arg
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Ile Leu Leu Ala Val Leu Val Ala Val Phe Val Ala Gly Thr Glu Ala
-15 -10 -5 -1

cat tcg cac gct tgt aca tca tac tgg tgt ggt aag ttt tgt gga act 150
His Ser His Ala Cys Thr Ser Tyr Trp Cys Gly Lys Phe Cys Gly Thr
1 5 10 15

gct agt tgc aca cat tat cta tgc aga gta ctc cat ccc ggt aaa atg 198
Ala Ser Cys Thr His Tyr Leu Cys Arg Val Leu His Pro Gly Lys Met
20 25 30

tgc gca tgt gtt cat tgc agc agg gtg aac aat cct ttc aga gtt aat 246
Cys Ala Cys Val His Cys Ser Arg Val Asn Asn Pro Phe Arg Val Asn
35 40 45

caa gtt gct aaa agt att aac gat ttg gat tac act cca ata atg aag 294
 Gln Val Ala Lys Ser Ile Asn Asp Leu Asp Tyr Thr Pro Ile Met Lys
 50 55 60

tcg atg gaa aac ttg gac aat gga atg gat atg tta taagcaaaca 340
 Ser Met Glu Asn Leu Asp Asn Gly Met Asp Met Leu
 65 70 75

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 1 5 10 15
 Gly Thr Glu Ala His Ser His Ala Cys Thr Ser Tyr Trp Cys Gly Lys
 20 25 30
 Phe Cys Gly Thr Ala Ser Cys Thr His Tyr Leu Cys Arg Val Leu His
 35 40 45
 Pro Gly Lys Met Cys Ala Cys Val His Cys Ser Arg Val Asn Asn Pro
 50 55 60
 Phe Arg Val Asn Gln Val Ala Lys Ser Ile Asn Asp Leu Asp Tyr Thr
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ttt gtc gca ggt aca gaa gct cat ccg cat gtt tgc aca tcg tac tac 99
 Phe Val Ala Gly Thr Glu Ala His Pro His Val Cys Thr Ser Tyr Tyr
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 Cys Ser Lys Phe Cys Gly Thr Ala Gly Cys Thr Arg Tyr Gly Cys Arg
 10 15 20 25

aat ctc cat cgc ggg aag ctt tgc ttc tgt ctt cat tgc agc agg gtg 195
 Asn Leu His Arg Gly Lys Leu Cys Phe Cys Leu His Cys Ser Arg Val
 30 35 40

aag ttc ccg ttt gga gca act caa gat gct aaa agt atg aac gaa ctg 243
 Lys Phe Pro Phe Gly Ala Thr Gln Asp Ala Lys Ser Met Asn Glu Leu
 45 50 55

gaa tac act cca ata atg aag tcg atg gaa aat ttg gac aac gga atg 291
 Glu Tyr Thr Pro Ile Met Lys Ser Met Glu Asn Leu Asp Asn Gly Met
 60 65 70

gat atg tta taagcaaact tatgacatga agatcacaac tgtatacttt 340
 Asp Met Leu
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Arg Gly Lys Leu Cys Phe Cys Leu His Cys Ser Arg Val Lys Phe Pro
50 55 60

Phe Gly Ala Thr Gln Asp Ala Lys Ser Met Asn Glu Leu Glu Tyr Thr
65 70 75 80

Pro Ile Met Lys Ser Met Glu Asn Leu Asp Asn Gly Met Asp Met Leu
85 90 95